

Title (en)

Method for the manufacture of FRP composites

Title (de)

Verfahren zur Herstellung faserverstärkter Verbundwerkstoffen

Title (fr)

Procédé de fabrication de matériaux composites renforcés par des fibres

Publication

EP 1685947 A1 20060802 (EN)

Application

EP 05002047 A 20050201

Priority

EP 05002047 A 20050201

Abstract (en)

The invention proposes a process for producing low-cost FRP composites which contain heavy tow fibres, and a method for uniform impregnation and efficient bonding of these heavy tow fibres which eliminates "racetracking", thus resulting in cheap and well performing FRP composites.

IPC 8 full level

B29C 70/16 (2006.01); **B29C 70/48** (2006.01); **B29C 70/54** (2006.01)

CPC (source: EP US)

B29C 70/16 (2013.01 - EP US); **B29C 70/48** (2013.01 - EP US); **B29C 70/543** (2013.01 - EP US); **B29C 70/546** (2013.01 - EP US); **Y10T 428/249924** (2015.04 - EP US)

Citation (applicant)

- JP 2003020542 A 20030124 - TORAY INDUSTRIES
- EP 0909845 A1 19990421 - TORAY INDUSTRIES [JP]

Citation (search report)

- [X] US 6250193 B1 20010626 - HEAD ANDREW A [US]
- [X] DE 29904191 U1 19990527 - POTT RICHARD [DE]
- [X] US 5279892 A 19940118 - BALDWIN JACK W [US], et al
- [X] FR 2783197 A1 20000317 - PEUGEOT [FR]
- [X] K. VAN HARTEN: "Resin Transfer Moulding", 1991, TU DELFT, DELFT, XP002335906

Cited by

EP2324995A1; DE102007060739B4; FR2926242A1; DE102016221510A1; DE102018203722A1; FR2926241A1; WO2009090218A1; WO2009090221A1; EP2072225A1; DE102007060739A1; DE102009053549A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 1685947 A1 20060802; **EP 1685947 B1 20110413**; DE 602005027434 D1 20110526; JP 2006213059 A 20060817; US 2006216490 A1 20060928

DOCDB simple family (application)

EP 05002047 A 20050201; DE 602005027434 T 20050201; JP 2006019986 A 20060130; US 34508806 A 20060131